

Amendments to the Claims

This listing of the claims will replace all prior versions, and listings, of the claims in the application.

Listing of Claims

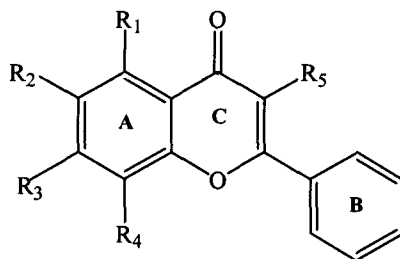
Claims 1-18 (canceled)

19. (original) A pharmaceutical composition of matter for use in the prevention and treatment of diseases and conditions related to the skin comprised of a mixture of at least one Free-B-ring flavonoid and at least one flavan.

20. (original) The pharmaceutical composition of claim 19 wherein the ratio of Free-B-Ring flavonoid to flavan in said composition is selected from the range of 99:1 Free-B-Ring flavonoid:flavan to 1:99 of Free-B-Ring flavonoid:flavan.

~~22~~21. (currently amended) The pharmaceutical composition of 20 wherein the ratio of Free-B-Ring flavonoid:flavan in the composition of matter is about 20:80.

~~23~~22. (currently amended) The pharmaceutical composition of claim 19 wherein said Free-B-Ring flavonoid is selected from the group of compounds having the following structure:



wherein

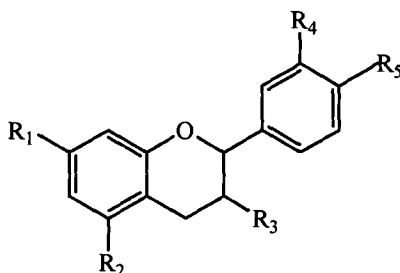
R_1 , R_2 , R_3 , R_4 , and R_5 are independently selected from the group consisting of -H, -OH, -SH, -OR, -SR, -NH₂, -NHR, -NR₂, -NR₃⁺X⁻, a carbon, oxygen, nitrogen or sulfur, glycoside of a single or a combination of multiple sugars including, aldopentoses, methyl-aldopentose, aldohexoses, ketohexose and their chemical derivatives thereof;

wherein

R is an alkyl group having between 1-10 carbon atoms; and

X is selected from the group of pharmaceutically acceptable counter anions including, hydroxyl, chloride, iodide, sulfate, phosphate, acetate, fluoride and carbonate.

24 23. (currently amended) The pharmaceutical composition of claim 19 wherein said flavan is selected from the group of compounds having the following structure:



wherein

R_1 , R_2 , R_3 , R_4 and R_5 are independently selected from the group consisting of H, -OH, -SH, -OCH₃, -SCH₃, -OR, -SR, -NH₂, -NRH, -NR₂, -NR₃⁺X⁻, esters of substitution groups, independently selected from the group consisting of gallate, acetate, cinnamoyl and hydroxyl-cinnamoyl esters, trihydroxybenzoyl esters and caffeoyl esters; a carbon, oxygen, nitrogen or sulfur glycoside of a single or a combination of multiple sugars including, aldopentoses, methyl aldopentose, aldohexoses, ketohexose and their chemical derivatives thereof; dimer, trimer and other polymerized flavans;

wherein

R is an alkyl group having between 1-10 carbon atoms ; and

X is selected from the group of pharmaceutically acceptable counter anions including, but not limited to hydroxyl, chloride, iodide, sulfate, phosphate, acetate, fluoride, and carbonate.

~~25~~ 24. (currently amended) The pharmaceutical composition of claim 19 wherein said Free-B-Ring flavonoid and said flavan are obtained by organic synthesis or are isolated from a plant.

~~26~~ 25. (currently amended) The pharmaceutical composition of claim ~~25~~ 24 wherein said Free-B-Ring flavonoid and said flavan are isolated from a plant part selected from the group consisting of stems, stem barks, trunks, trunk barks, twigs, tubers, roots, root barks, young shoots, seeds, rhizomes, flowers and other reproductive organs, leaves and other aerial parts.

~~27~~ 26. (currently amended) The pharmaceutical composition of claim ~~25~~ 24 wherein said Free-B-Ring flavonoid is isolated from a plant family selected from the group consisting of *Annonaceae*, *Asteraceae*, *Bignoniaceae*, *Combretaceae*, *Compositae*, *Euphorbiaceae*, *Labiatae*, *Lauranceae*, *Leguminosae*, *Moraceae*, *Pinaceae*, *Pteridaceae*, *Sinopteridaceae*, *Ulmaceae* and *Zingiberaceae*.

~~28~~ 27. (currently amended) The pharmaceutical composition of claim ~~25~~ 24 wherein said Free-B-Ring flavonoid is isolated from a plant genus selected from the group consisting of *Desmos*, *Achyrocline*, *Oroxylum*, *Buchenavia*, *Anaphalis*, *Cotula*, *Gnaphalium*, *Helichrysum*, *Centaurea*, *Eupatorium*, *Baccharis*, *Sapium*, *Scutellaria*, *Molsa*, *Colebrookea*, *Stachys*, *Origanum*, *Ziziphora*, *Lindera*, *Actinodaphne*, *Acacia*, *Derris*, *Glycyrrhiza*, *Millettia*, *Pongamia*, *Tephrosia*, *Artocarpus*, *Ficus*, *Pityrogramma*, *Notholaena*, *Pinus*, *Ulmus* and *Alpinia*.

~~29~~ 28. (currently amended) The pharmaceutical composition of claim ~~25~~ 24 wherein said flavan is are isolated from a plant species selected from the group consisting of the *Acacia*

catechu, *Acacia concinna*, *Acacia farnesiana*, *Acacia Senegal*, *Acacia speciosa*, *Acacia arabica*, *A. caesia*, *A. pennata*, *A. sinuata*, *A. mearnsii*, *A. picnantha*, *A. dealbata*, *A. auriculiformis*, *A. holosericea* and *A. mangium*.

~~30~~ 29. (currently amended) The pharmaceutical composition of claim ~~25~~ 24 wherein said Free-B-ring flavonoid is isolated from a plant or plants in the *Scutellaria* genus of plants and said flavan is isolated from a plant or plants in the *Acacia* genus of plants.

~~34~~ 30. (currently amended) The pharmaceutical composition of claim 19 further comprising a pharmaceutically acceptable excipient and optionally an adjuvant or a carrier.

~~32~~ 31. (currently amended) The pharmaceutical composition of claim 19, wherein said composition is formulated for topical application.

~~33~~ 32. (currently amended) The pharmaceutical composition of claim 19 where said composition is formulated in a regular or controlled releasing vehicle.

Claims 34-45. (canceled)